

Appl. No. 10/605,252  
Amdt. dated February 23, 2005  
Reply to Office action of December 16, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1 (currently amended): A method for phase matching between a first element and a  
5 second element by detecting a magnetic flux, the first and second elements both  
being formed out of magnetic permeable material, the method comprising:  
~~positioning~~ aligning the first element and the second element such that  
a first axis extends through the first and second elements;  
10 providing a magnetic flux generator for generating a magnetic flux between the first  
and second elements;  
providing a magnetic sensor for detecting the magnetic flux between the first and  
the second elements; and  
moving the first element toward the second element along the first axis adjusting a  
~~relative position of the first and the second elements~~ until the magnetic flux  
15 detected by the magnetic sensor reaches a predetermined value.
- 2 (original): The method of claim 1 wherein the magnetic flux generator is a magnet.
- 3 (original): The method of claim 1 wherein the magnetic sensor is a Hall element for  
20 converting the magnetic flux into a corresponding voltage signal.
- 4 (original): The method of claim 3 further comprising providing an amplifier for  
amplifying the voltage signal outputted from the Hall element.
- 25 5 (original): The method of claim 1 wherein the magnetic sensor is a magnetic  
resistance device (MR device) having a resistance that changes according to a

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magnitude of the magnetic flux.

6 (original): The method of claim 1 wherein the magnetic sensor is a magnetic diode,  
and a current flowing through the magnetic diode changes according to a magnitude  
5 of the magnetic flux.

7 (original): The method of claim 1 wherein the first element is a screwdriver and the  
second element is a screw.

10 8 (original): The method of claim 7 wherein the screw is installed on a metal plate.

9 (original): The method of claim 8 wherein the magnetic flux generator is positioned  
on the metal plate and the magnetic sensor is set on one end of the screwdriver.

15 10 (original): The method of claim 1 wherein the magnetic flux generator is set on one  
end of the second element and the magnetic sensor is set on one end of the first  
element.

20 11 (currently amended): The method of ~~claim 1~~ claim 7 wherein the magnetic flux  
generator is set on one end of the ~~first element~~ screw driver and the magnetic sensor  
is set on one end of the ~~second element~~ screw.